OPEN FILE 1969
Mt. Pend Oreille Quadrangle, Idaho-Montana
By Jack E. Harrison

EXPLANATION

QUATERNARY

Qal
Alluvium

Qt
Talus

Qg
Glacial debris

CRETACEOUS

Kl
Lamprophyre dikes

Kgd
Granodiorite
Commonly seriate porphyritic, but also has a medium-grained equigranular facies

PRECAMBRIAN

pEmg
Metagabbro of the "Purcell sills"

Belt Supergroup

pEr
Revett Formation
Characteristic beds are blocky crossbedded quartzite; includes about 30 percent each of gray-green siltite and gray to green argillite. Pale-purple streaks and laminae common in siltite and quartzite

pEb
Burke Formation
Interbedded blocky siltite and flaggy argillite; most rocks gray or green except for purple colors in siltite in middle third of unit

pEp3
pEp2
pEp1
Prichard Formation
pEp3, uppermost unit that includes beds typical of Burke Formation and unit p_2
pEp2, pyrrhotitic black and white laminated argillite
pEp1, lowest part of formation that includes beds typical of unit p_2 plus medium-gray argillite, gray siltite, and impure green-gray quartzite that contains sideritic concretions at many places

Contact
Dashed where approximately located; short dashed where inferred; dotted where concealed

D U
Fault, showing relative strike-slip
Dashed where approximately located; short dashed where inferred; dotted where concealed; queried where uncertain. U, upthrown side; D, downthrown side

Concealed thrust fault
Sawteeth on upper plate

Overturned anticline, showing approximate trace of axial plane
Dotted where concealed

8
Plunge of minor anticline

2
Plunge of minor chevron folds

23
Strike and dip of beds

33
Strike and dip of overturned beds

90
Strike of vertical beds

53 60
Strike and dip of foliation, showing bearing and plunge of lineation

76
Strike and dip of cleavage

33
Vein, showing dip
Dashed where approximately located

Open-pit mine

Mine adit

Prospect pit or shaft